

USMC MODELING & SIMULATION

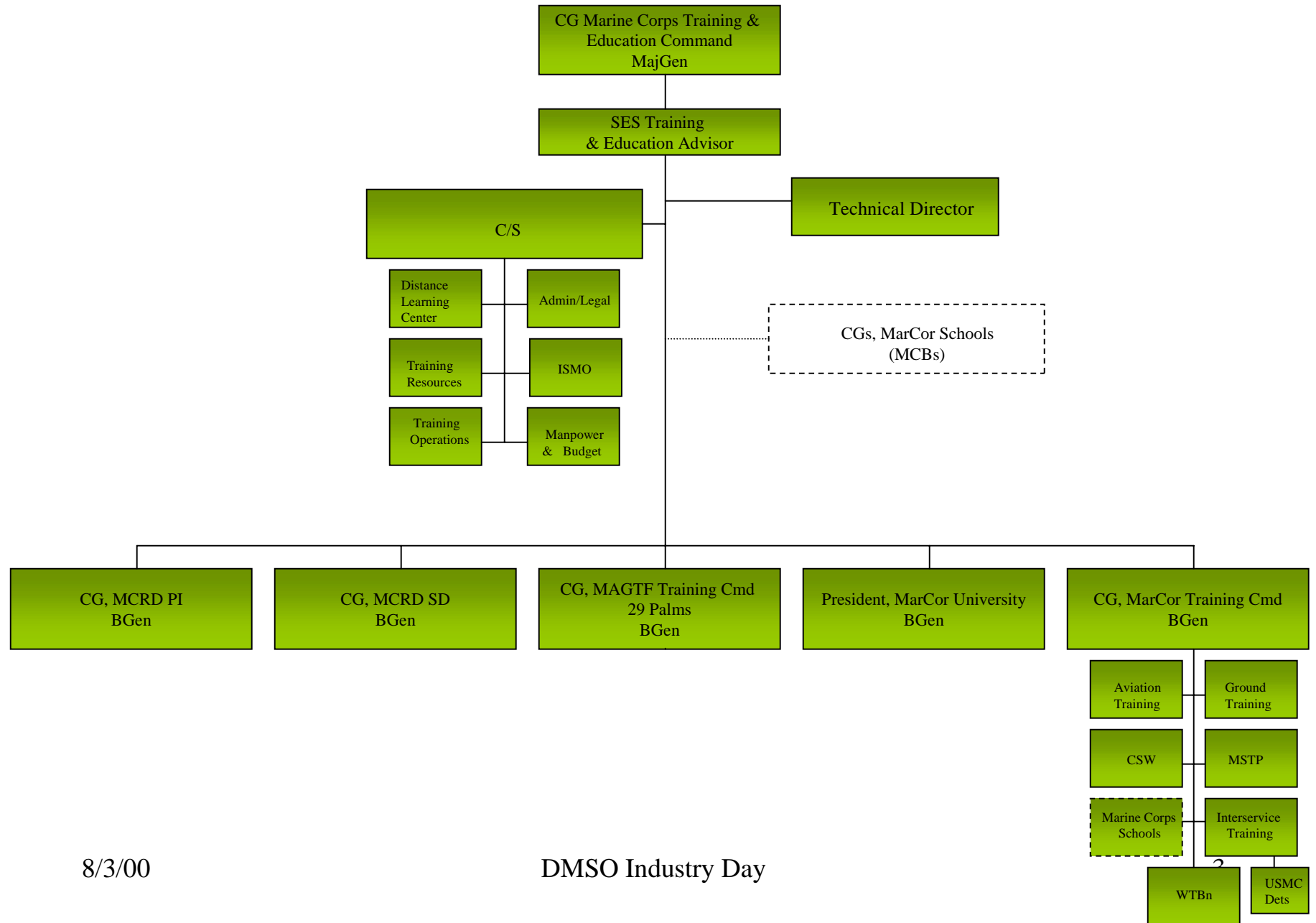
Michael P. Bailey
Technical Director
Marine Corps Training and
Education Command

CMC's WORDS

CNA Readiness Conference, Feb 00

- Backyard training
- Use more simulation
- Reduce work-up lengths
- MILCON should be applied to bring training to home stations
- Training delivery affects QOL and, by extension, retention

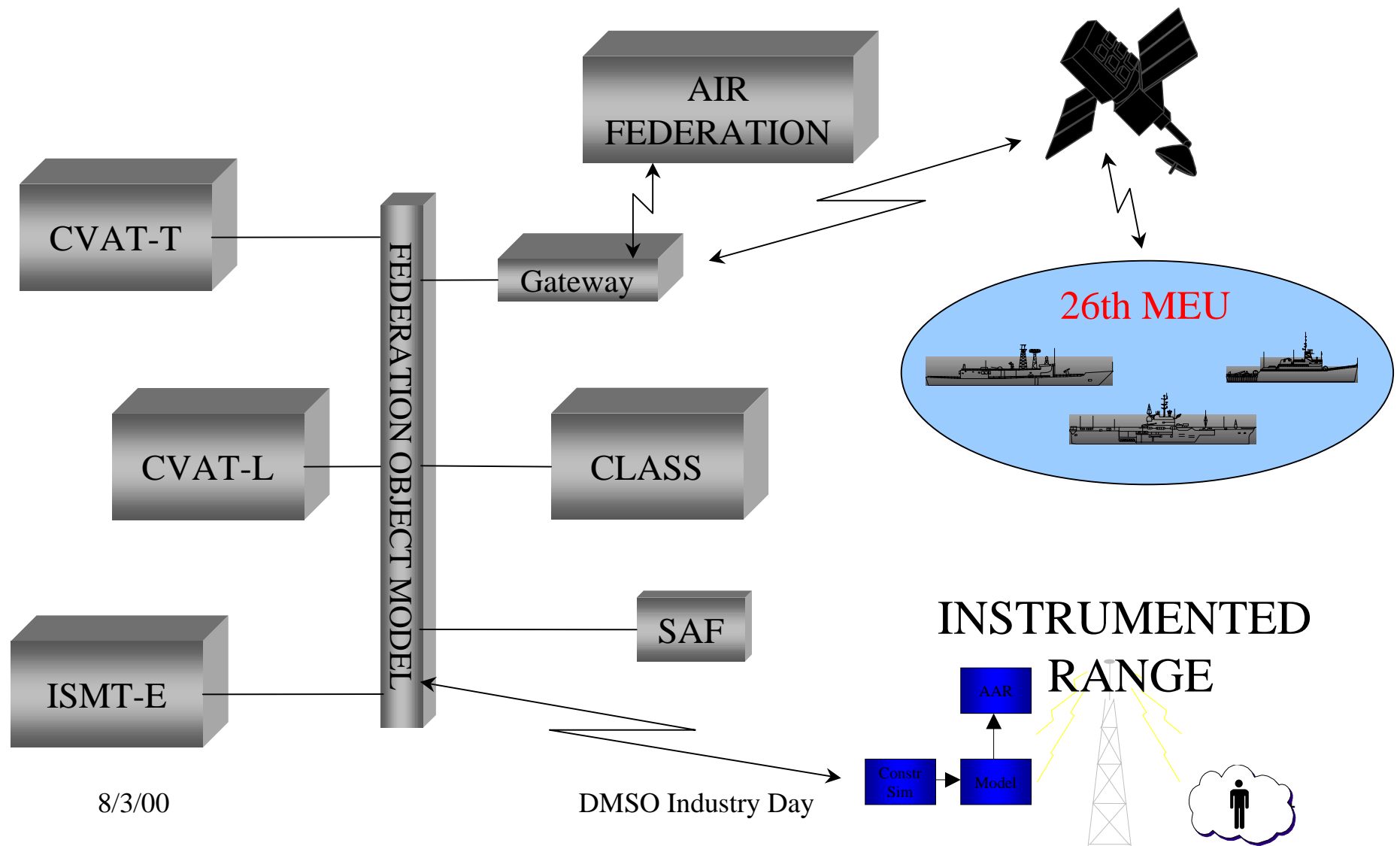
MARINE CORPS TRAINING & EDUCATION COMMAND



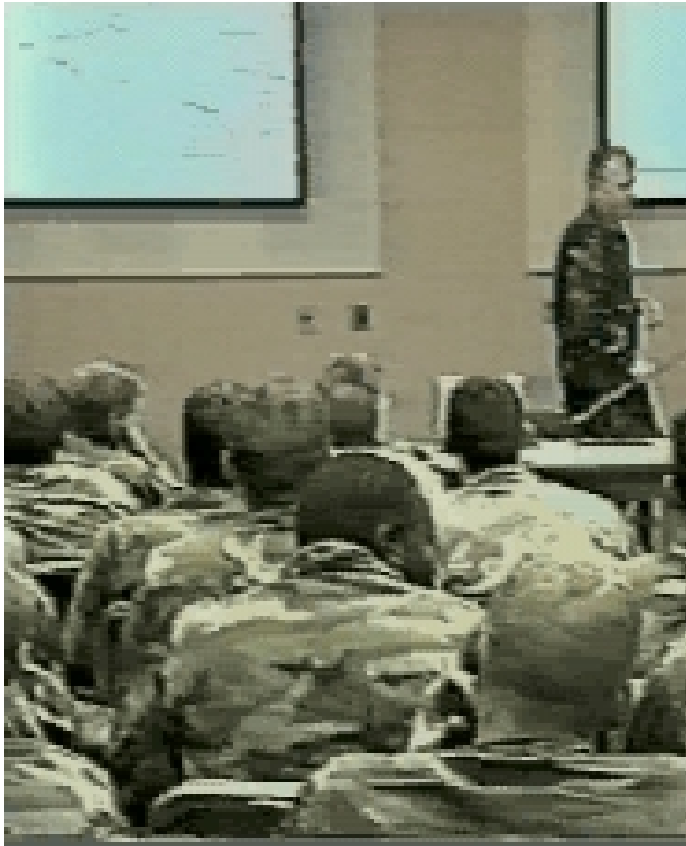
8/3/00

DMSO Industry Day

MAGTF FOM



PC-Based Gaming







**CAST Trainer reduced safety violations by 80%*



8/3/00

DMSO Industry Day

8



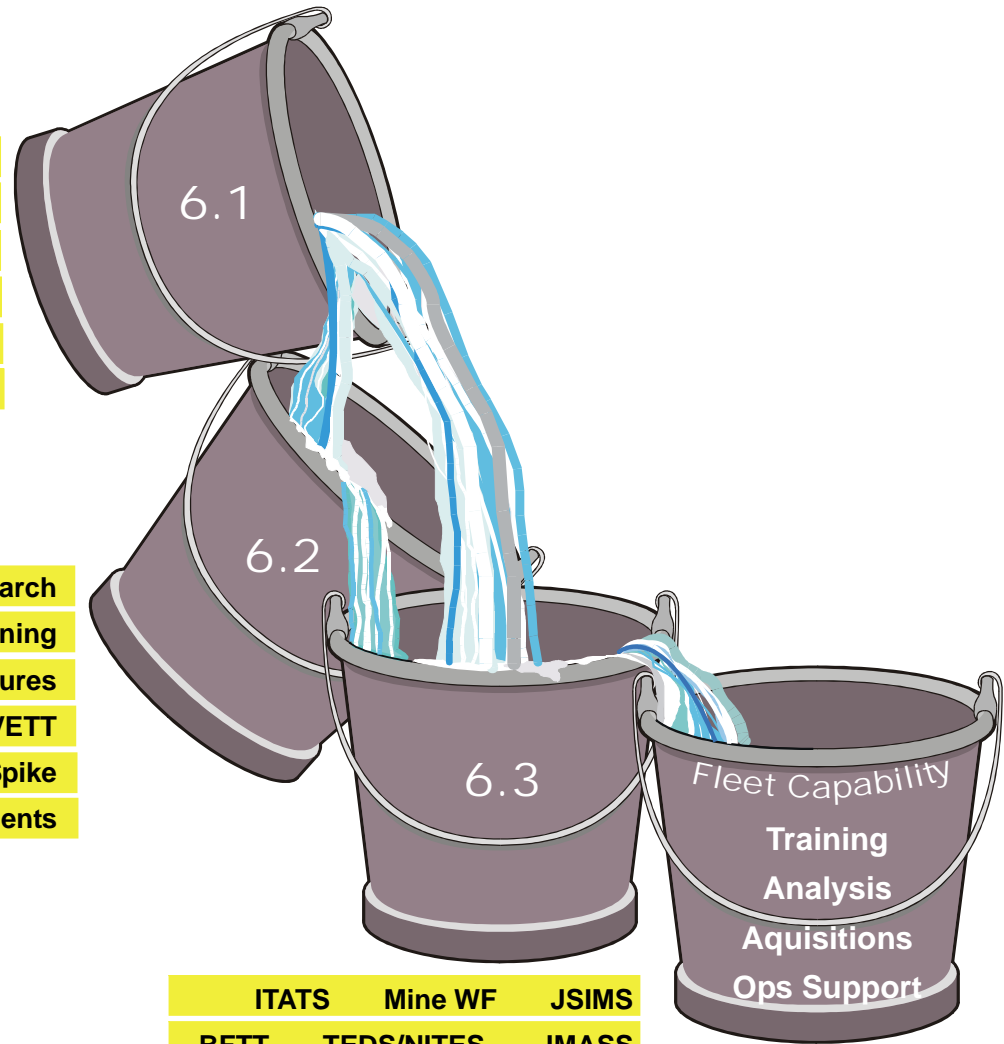
8/3/00

DMSO Industry Day

9

Consistent synthetic natural environment
Realistic modeling of human behavior
Accuracy/efficiency of physics-based models
Composibility Framework for Simulation
Modeling Methodologies
Compliant computing

Fleet Integrat training & Eval Research
Simulatin for Training
Scalable DIS/HLA Architectures
VETT
Mine warfare Spike
Personal Virtual Environments



ITATS	Mine WF	JSIMS
BFTT	TEDS/NITES	JMASS
VE-SUB	JSF	JCFS
COASST	MAGTF FOM	

DMSO R&D OUTREACH

- Experimental Mission Planning/COAA
 - Darken Experiments
- Amphibious Warfare Demonstrator
 - History City (see Singhal & Zyda)
- Support for MAGTF FOM
- Smarter Application of PC Games in PME
- Fundamentals of SBA –Evidence from the AAV Program